

Sensor Description	Measuring Range	Accuracy	Resolution	Part No.	Pac 606500	Pac 8000	Pac 8500	X-am 5100	X-am 2500	X-am 2800	X-am 5000	X-am 5800	X-am 3500	X-am 8000	Warranty	Recommended Cal Interval	Maximum Cal Interval	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock	Comments*
XS DrägerSensor®																				
Hydrazine (N ₂ H ₄) XS	Max 0 - 3.00 ppm																			
N2H4 (hydrazine)	0 - 3.00 ppm																			
CH3NH-NH2 (monomethyl hydrazine)	0 - 3.00 ppm																			
(CH3)2N-NH2 (dimethyl hydrazine)	0 - 3.00 ppm																			
Hydrogen Fluoride/Hydrogen Chloride (HF/HCl) XS	Max 0 - 30.0 ppm																			
HF (hydrogen fluoride)	0 - 30.0 ppm																			
HCl (hydrogen chloride)	0 - 30.0 ppm																			
HNO3 (nitric acid)	0 - 30.0 ppm																			
HBr (hydrogen bromide)	0 - 30.0 ppm																			
POCl3 (phosphorous trichloroide)	0 - 30.0 ppm																			
PCl3 (phosphorous trichloride)	0 - 30.0 ppm																			
HF (hydrogen fluoride)	0 - 30.0 ppm																			
Hydrogen Peroxide (H ₂ O ₂) XS	0 - 20.0 ppm																			
XXS DrägerSensor®																				
Amines XXS	Std 0 - 100 ppm																			
CH3NH2 (methylamine)	0 - 100 ppm																			
(CH3)2NH (dimethylamine)	0 - 100 ppm																			
CH3)3N (trimethylamine)	0 - 100 ppm																			
C2H5NH2 (ethylamine)	0 - 100 ppm																			
(C2H5)2NH (diethylamine)	0 - 100 ppm																			
(C2H5)3N (triethylamine)	0 - 100 ppm																			
Ammonia (NH ₃) XXS	0 - 300 PPM																			
Carbon Dioxide (CO ₂) XXS	0 - 7.0%																			
Carbon Monoxide (CO) XXS ¹	0 - 2,000 ppm																			
Carbon Monoxide Low Conc. (CO) XXS LC ¹	0 - 2,000 ppm																			
Carbon Monoxide High Conc. (CO) XXS HC	0 - 10,000 ppm																			
CO Hydrogen Compensated (CO-H2 CP) XXS	0 - 2,000 ppm																			
CO-LC/H ₂ S-LC Dual Sensor XXS	0 - 2,000 ppm CO 0 - 100 ppm H ₂ S																			
CO/H ₂ S Dual Sensor XXS	0 - 2,000 ppm CO 0 - 200 ppm H ₂ S																			
Chlorine (Cl ₂) XXS	Std 0 - 20 ppm																			
Cl ₂ (chlorine)	0 - 20 ppm																			
F ₂ (fluorine)	0 - 20 ppm																			
Br ₂ (bromine)	0 - 20 ppm																			
ClO ₂ (chlorine dioxide)	0 - 20 ppm																			
Hydrogen Cyanide (HCN) XXS	0 - 50 ppm																			
Hydrogen Cyanide (HCN) XXS PC	0 - 50 ppm																			
Hydrogen High Conc. (H ₂) XXS HC	0 - 4% Vol.																			
Hydrogen Low Conc. (H ₂) XXS	0 - 2,000 ppm																			
Hydrogen Sulfide (H ₂ S) XXS ¹	0 - 200 ppm																			
Hydrogen Sulfide High Conc. (H ₂ S) XXS HC	0 - 1,000 ppm																			
Hydrogen Sulfide Low Conc. (H ₂ S) XXS LC ¹	0 - 100 ppm																			
Nitrogen Dioxide (NO ₂) XXS	0 - 50 ppm																			
Nitrogen Dioxide Low Conc. (NO ₂) XXS LC	0 - 50 ppm																			
Nitrogen Oxide (NO) XXS	0 - 200 ppm																			
Odorant (mercaptan) XXS																				
THT (tetrahydrothiophene)	0 - 40 ppm																			
(CH3)3CSH (tert.-butyl mercaptane)	0 - 40 ppm																			
C2H5SCH2CH2SH (sec.-butyl mercaptane)	0 - 40 ppm																			
CH3SH (methyl mercaptane)	0 - 40 ppm																			
C2H5SH (ethyl mercaptane)	0 - 40 ppm																			
(CH3)2S (dimethyl sulphide)	0 - 100 ppm																			
CH3SSCH3 (dimethyldisulphide)	0 - 40 ppm																			
Organic Vapor (OV) XXS																				
C2H4O (ethylene oxide)	0 - 200 ppm																			
C3H6O (propylene oxide)	0 - 200 ppm																			
C2H4 (ethene / ethylene)	0 - 100 ppm																			
C3H6 (propene)	0 - 100 ppm																			
C2H3Cl (vinyl chloride)	0 - 100 ppm																			
CH3OH (methanol)	0 - 200 ppm																			
CH2OHCH2CH2 (butadiene)	0 - 100 ppm																			
HCHO (formaldehyde)	0 - 100 ppm																			
(H3C)2CHOH (iso-propanol)	0 - 300 ppm																			
C4H8O (tetrahydrofuran)	0 - 200 ppm																			
C2H5OCH2CH2 (1-chloro-2,3-epoxypropane)	0 - 100 ppm																			
C6H5CH=CH2 (styrene)	0 - 100 ppm																			
H2CC(CH3)OOCCH3 (methyl methacrylate)	0 - 100 ppm																			
Organic Vapor A (OV-A) XXS																				
C2H4O (ethylene oxide)	0 - 200 ppm																			
2CCHCN (acrylonitrile)	0 - 100 ppm																			
(CH3)2CCH2 (isobutene)	0 - 300 ppm																			
CH3COOCH2CH3 (vinylacetate)	0 - 100 ppm																			
C2H5OH (ethanol)	0 - 300 ppm																			
CH3CHO (acetaldehyde)	0 - 200 ppm																			
(C2H5)2O (diethyl ether)	0 - 200 ppm																			
C2H2 (ethine / acetylene)	0 - 100 ppm																			
O2/CO-LC Dual Sensor XXS	0 - 25% Vol O2 0 - 2,000 ppm CO																			
O2/H2S-LC	0 - 25% Vol O2 0 - 100 ppm H2S																			

6/7/2023	Sensor Description	Measuring Range	Accuracy	Resolution	Part No.	Pac 60/6500	Pac 8000	Pac 8500	X-am 5100	X-am 2500	X-am 2800	X-am 5000	X-am 5800	X-am 3500	X-am 8000	Warranty	Recommended Cal Interval	Maximum Cal Interval	Calibration manually or with CC-Vision	Bump Test or Calibration with X-dock	Comments*
	Oxygen (O ₂) XXS ¹	0 - 25% Vol.	±1% of measured value	0.1% Vol.	6810881	X				X	X	X	X	X	X	3-Yr	6 Months	12 Months	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock
	Oxygen (O ₂) XXS O2 100	0 - 100% Vol.	±1% of measured value	0.5% Vol.	6812385							X	X	X	X	1-Yr	3 Months	6 Months	ambient air	ambient air	Calibrate at altitude where being used
	Oxygen (O ₂) XXS PR	0 - 30% Vol.	±1% of measured value	0.1% Vol.	6800530				X	X	X	X	X	X	X	2-Yr	6 Months	12 Months	ambient air	ambient air	≤19% O ₂ required for bump test of O ₂ on X-dock Order via configurator
	Ozone (O ₃) XXS	0 - 10 ppm	±3% of measured value	0.01 ppm	6811540		X				X	X	X	X	X	1-Yr	3 Months	6 Months	5 ppm NO ₂	5 ppm NO ₂	N ₂ required for zero calibration
	Phosgene (COCl ₂) XXS	0 - 10 ppm	±5% of measured value	0.01 ppm	6812005		X				X	X	X	X	X	1-Yr	3 Months	6 Months	2 to 3 ppm COCl ₂	2 to 3 ppm COCl ₂	Calibration gas not sold by Draeger
	Phosphine (PH ₃) XXS PH ₃ (phosphine) AsH ₃ (arsine) B ₂ H ₆ (diborane) SiH ₄ (silane)	Std 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm 0 - 20 ppm	±2% of measured value	0.1 ppm	6810866		X				X	X	X	X	X	1-Yr	3 Months	6 Months	0.5 ppm PH ₃	0.5 ppm PH ₃	
	Phosphine High Conc. (PH ₃) XXS HC	0 - 1,000 ppm	±2% of measured value	1 ppm	6812020					X	X	X	X	X	X	1-Yr	3 Months	6 Months	5 ppm PH ₃	5 ppm PH ₃	Not compatible with CatEx sensor
	Sulfur Dioxide (SO ₂) XXS	0 - 100 ppm	±2% of measured value	0.1 ppm	6810885	X			X	X	X	X	X	X	X	2-Yr	3 Months	6 Months	5 ppm SO ₂	5 ppm SO ₂	Do not use H ₂ S/SO ₂ mixed gas on the X-dock
Cat Ex DrägerSensor®																					
	Cat Ex 125 PR	0 - 100% LEL 0 - 5.0% Vol. 5 - 100% Vol. ^{2,3}	±1% of LEL	1% LEL 0.1% Vol. 1.0% Vol.	6812950				X	X				X	X	3-Yr	3 Months	6 Months	50% LEL CH ₄	50% LEL CH ₄	
	Cat Ex 125 PR Mining/Gas (MSHA Approved)	0 - 5.0% Vol. 5 - 100% Vol. ^{2,3}	±1% of LEL	0.1% Vol. 1.0% Vol.	6813080				X	X				X	X	3-Yr	3 Months	6 Months	2.5% Vol CH ₄	2.5% Vol CH ₄	"ch ₄ L" mode in X-am 8000 for 50 to 50,000 ppm range for Method 21 type testing
	CarEx 125 SR (Shock Resistant)	0 - 100% LEL 0 - 5.0% Vol. 0 - 100% Vol. ⁴	±1% LEL at 50% LEL	1% LEL 0.05% Vol 0.1% Vol	6851900				X			X				3-Yr	3 Months	6 Months	2.5% Vol CH ₄	2.5% Vol CH ₄	
IR DrägerSensor®																					
	Dual IR-Ex/CO ₂ HC	0 - 100%LEL 0 - 100% Vol. 0 - 100% Vol. CO ₂	±1.5% LEL methane at 50% LEL ±0.5 Vol.-% CO ₂ at 50 Vol.-%	1% LEL 0.1% Vol. 0.1% Vol.	6800276									X	X	5-Yr	6 Months	12 Months	50% LEL CH ₄ 50% Vol CH ₄ 50% Vol CO ₂	50% LEL CH ₄ 50% Vol CH ₄ 50% Vol CO ₂	X-am 8000 Only - Must be installed in HPP 1 - No PID sensor can be installed at the same time.
	Dual IR-Ex/CO ₂ ES (replaces 6811960)	0 - 100%LEL 0 - 100% Vol. 0 - 5.00% Vol. CO ₂	±1.5% LEL methane at 50% LEL ±0.08 Vol.-% CO ₂ at 2.5 Vol.-%	1% LEL 0.1% Vol. 0.02% Vol.	6851880							X		X	X	5-Yr	6 Months	12 Months	50% LEL CH ₄ 50% Vol CH ₄ 2.5% Vol CO ₂	50% LEL CH ₄ 50% Vol CH ₄ 2.5% Vol CO ₂	N ₂ required for CO ₂ zero calibration 0 - 9,900 ppm in X-am 5600 0 - 50,000 ppm range in X-am 8000
	IR-Ex ES (replaces 6812180)	0 - 100% LEL 0 - 100% Vol.	±1.5% LEL methane at 50% LEL	1% LEL 0.1% Vol.	6851881						X		X	X	X	5-Yr	6 Months	12 Months	50% LEL CH ₄	50% LEL CH ₄	Can be configured for 2 ranges/gases via CC-Vision
	IR-CO ₂ ES (replaces 6812190)	0 - 9,900 ppm 0 - 5.00% Vol.	±0.08 Vol.-% CO ₂ at 2.5 Vol.-%	50 ppm 0.02% Vol.	6851882							X		X	X	5-Yr	6 Months	12 Months	2.5% Vol CO ₂	2.5% Vol CO ₂	N ₂ required for CO ₂ zero calibration 0 - 50,000 ppm range in X-am 8000
PID DrägerSensor®																					
	PID HC	0.3 - 2000 ppm	at 100 ppm isobutylene: ±2% of measured value at zero point: ±0.3 ppm isobutylene	0-20 ppm - 100 ppb >20 ppm - 200 ppb >50 ppm - 500 ppb >100 ppm - 1 ppm >200 ppm - 2 ppm >500 ppm - 5 ppm >1000 - 10 ppb	6813475									X	X	1-Yr	1 Month	12 Months	100 ppm isobutylene	100 ppm isobutylene	Use with benzene scrubber tube for benzene specific readings up to 100 ppm (01/2021).
	PID LC	0-10 ppm isobutylene 0.025-5 ppm benzene	at 5 ppm isobutylene: ±2% of measured value at zero point: ±0.05 ppm isobutylene	0-2 ppm - 10 ppb >2 ppm - 20 ppb >5 ppm - 50 ppb	6813500								X	X	1-Yr	Each use	N/A	5 ppm isobutylene	5 ppm isobutylene	Requires zero air or N ₂ for zero calibration. 30 minute warm up time, if not stored on charger. Use with benzene scrubber tube for benzene specific readings up to 100 ppm (01/2021).	

* Comments - FKM tubing is recommended for all sensors with the exception of chlorine, nitrogen dioxide and ammonia. For chlorine use the Teflon-lined Tygon tubing and for nitrogen dioxide and ammonia use the Tygon tubing.

1 - From December 1st, 2018, 5 year warranty when sold as installed in an X-am multi-gas monitor. 3 year for replacement sensors.

2 - 0-100%Vol range in X-am 5000 only when selected

3 - Full Range mode in X-am 8000

4 - Full Range mode in X-am 5800